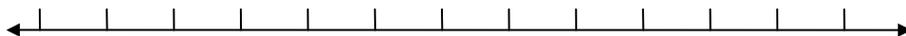# Worksheet A

Integers are whole numbers and their opposites.

Positive numbers are greater than zero. (+4, +38, + 479)

Negative numbers are less than zero. (-2, -44, -702)

Absolute value is the distance a number is from zero.

1. Use the number line. Circle the number that is greater.

a. -1 or +2   b. -4 or -6   c. -17 or -16

2. Find each absolute value.

a. $|19|$ _____   b. $|-2|$ _____   c. $|-205|$ _____   d. $|6-3|$ _____

3. Fill in the blank with $<$ $>$ or $=$

a. $7 _____ |-\$7|$ b. -3 _____ 0   c. $|-6|$ _____ 5

4. Place the following integers on the number line: 3, -4, 0, 4, 1, -5, -2 ,

5. Name two situations where you would use a negative number to describe an event?

6. Carol and Tom invested in the stock market. Carol invested $225. After 1 month, her stock went down to $185. Tom invested $380. After one month, his stock went up to $440. Using absolute value, determine who had the greatest change in their stock investments.

7. These are the low temperatures one week in Duluth, MN.
Order these integers from least to greatest. 15°, -2°, -7°, 9°. 4°, 0°, -8°,
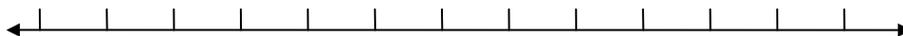
Worksheet A

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2. Find each absolute value.

a. $|19|$ _____**19**_____   b. $|-2|$ _____**2**_____   c. $|-205|$ __**205**_____
d. $|6-3|$ _____**3**_____

3. Fill in the blank with < > or =

a. $7 ___=___ |-$7|$ b. -3 ____<____ 0   c. $|-6|$ ____>____ 5

4. Place the following integers on the number line: 3, -4, 0, 4, 1, -5, -2 ,

-5   -4   -2   0   1   3   4
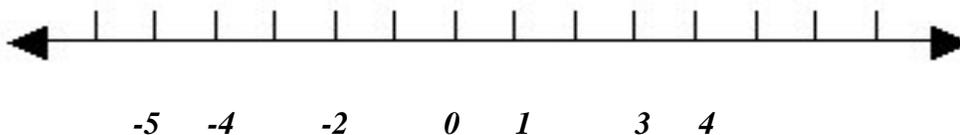
5. Name two situations where you would use a negative number to describe an event?
Answers will vary. Possible answers: debt, temp. below zero, below sea level

6. Carol and Tom invested in the stock market. Carol invested $225. After 1 month, her stock went down to $185. Tom invested $380. After one month, his stock went up to $440. Using absolute value, determine who had the greatest change in their stock investments.   ***Carol had a change of |-40|, Tom had a change of $|+60|$, Tom's change is greater.***

7. These are the low temperatures one week in Duluth, MN. Order these integers from least to greatest. 15°, -2°, -7°, 9°. 4°, 0°, -8°   ***-8°, -7°, -2°, 0°, 4°, 9°, 15°***

Worksheet B

At Sports Kingdom bats regularly sell for $68. Today Carlos went to Sports Kingdom because all baseball bats were on sale for $6 off. Last week baseball bats were on sale for $65.

Write $6 off as an integer. _____

If the cost of the bat is written in integers, and Carlos buys the bat today, what would the equation be?

    a. $(+68) + (+65) =$

    b. $(+65) + (-6) =$

    c. $(+68) + (-6) =$

    d. $(68) + (6) =$

Should Carlos have bought the bat last week? Why or why not? Explain.

Write 2 word problems using addition of positive and negative numbers. Share them with someone near you. Find the answers to the new word problems you get.

Worksheet B

At Sports Kingdom bats regularly sell for $68. Today Carlos went to Sports Kingdom because all baseball bats were on sale for $6 off. Last week baseball bats were on sale for $65.

Write $6 off as an integer. _____***-6***_____

If the cost of the bat is written in integers, and Carlos buys the bat today, what would the equation be?

       a. $(+68) + (+65) =$ ***no***

       b. $(+65) + (-6) =$ ***no***

       c. $(+68) + (-6) =$ ***yes***

       d. $(68) + (6) =$ *no*

Should Carlos have bought the bat last week? Why or why not? Explain.

No, last week a bat would cost $65. This week at (+68) + (-6), the cost would be $62. Sixty-two dollars is cheaper than sixty-five dollars.

Write 2 word problems using addition of positive and negative numbers. Share them with someone near you. Find the answers to the new word problems you get. ***Answers will vary.***